

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton 4101 Shuffel Street NW North Canton, OH 44720 Tel: (330)497-9396

TestAmerica Job ID: 240-13800-1

Client Project/Site: Miami Fort CERT - J12080123

For:

Duke Energy Corporation 139 East Fourth Street Cincinnati, Ohio 45202

Attn: Ms. Sue Wallace

Denise Poll
Authorized for release by:

8/10/2012 2:32:11 PM

Denise Pohl

Project Manager II

denise.pohl@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Duke Energy Corporation Project/Site: Miami Fort CERT - J12080123 TestAmerica Job ID: 240-13800-1

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Definitions/Glossary

Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Qualifiers

Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
*	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Case Narrative

Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

Job ID: 240-13800-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Duke Energy Corporation

Project: Miami Fort CERT - J12080123

Report Number: 240-13800-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/03/2012; the samples arrived in good condition. The temperature of the cooler at receipt was 20.2 C.

LOW LEVEL MERCURY

Samples CCW (240-13800-1), BW-15 FB (240-13800-2), BW-15 (240-13800-3), BW-15 DUP (240-13800-4), IDI-4 (240-13800-5), TRIP BLANK (240-13800-6), UNIT 8 BAS (240-13800-7), CCW (240-13800-8) and IDI-4 (240-13800-9) were analyzed for Low Level Mercury in accordance with EPA Method 1631E. The samples were prepared on 08/07/2012 and analyzed on 08/09/2012.

Mercury failed the recovery criteria high for the MS/MSD of sample CCWMS/MSD (240-13800-1) in batch 240-53964.

Refer to the QC report for details.

Samples CCW (240-13800-1)[2X], IDI-4 (240-13800-5)[10X] and IDI-4 (240-13800-9)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Low Level Mercury analyses.

All other quality control parameters were within the acceptance limits.

TestAmerica Job ID: 240-13800-1

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Method Summary

Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Method	Method Description	Protocol	Laboratory
1631E	Mercury, Low Level (CVAFS)	EPA	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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Sample Summary

Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13800-1	CCW	Water	07/31/12 13:00	08/03/12 08:15
240-13800-2	BW-15 FB	Water	07/31/12 13:25	08/03/12 08:15
240-13800-3	BW-15	Water	07/31/12 13:30	08/03/12 08:15
240-13800-4	BW-15 DUP	Water	07/31/12 13:35	08/03/12 08:15
240-13800-5	IDI-4	Water	07/31/12 13:45	08/03/12 08:15
240-13800-6	TRIP BLANK	Water	07/31/12 00:00	08/03/12 08:15
240-13800-7	UNIT 8 BAS	Water	08/01/12 08:35	08/03/12 08:15
240-13800-8	CCW	Water	08/01/12 09:00	08/03/12 08:15
240-13800-9	IDI-4	Water	08/01/12 13:25	08/03/12 08:15

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TestAmerica Job ID: 240-13800-1

Client: Duke Energy Corporation

Client Sample ID: CCW

Project/Site: Miami Fort CERT - J12080123

Lab Sample ID: 240-13800-1

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Analyte	Result Qualifier	RL	Unit	Dil Fac D Method	Prep Type
Mercury	2.5	1.0	0.24 ng/L	2 1631E	Total/NA

Client Sample ID: BW-15 FB Lab Sample ID: 240-13800-2

No Detections

Client Sample ID: BW-15 Lab Sample ID: 240-13800-3

Analyte	Result Qualit		Unit	Dil Fac	D Method	Prep Type
Mercury	1.7	0.50	0.12 ng/L	1	1631E	Total/NA

Client Sample ID: BW-15 DUP Lab Sample ID: 240-13800-4

Analyte	Result	Qualifier	RL	Un	it Dil F	ac D	Method	Prep Type
Mercury	1.8		0.50	0.12 ng	'L	1	1631E	Total/NA

Client Sample ID: IDI-4 Lab Sample ID: 240-13800-5

Analyte		ualifier RL	Un	it Dil Fac	D	Method	Prep Type
Mercury	89	5.0	1.2 ng	L 10		1631E	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-13800-6

No Detections

Client Sample ID: UNIT 8 BAS Lab Sample ID: 240-13800-7

Analyte	Result Qualifier	RL	Unit	Dil Fac D Method	Prep Type
Mercury	3.1	0.50	0.12 ng/L	1 1631E	Total/NA

Client Sample ID: CCW Lab Sample ID: 240-13800-8

Analyte	Result (Qualifier	RL	Unit	Dil Fac D	Method	Prep Type
Mercury	4.5		0.50	0.12 ng/L		1631E	Total/NA

Client Sample ID: IDI-4 Lab Sample ID: 240-13800-9

Analyte	Result Qualifier	RL	Unit	Dil Fac D Method	Prep Type
Mercury	97	5.0	1.2 ng/L	10 1631E	Total/NA

Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Client Sample ID: CCW Lab Sample ID: 240-13800-1

Date Collected: 07/31/12 13:00 Matrix: Water

Date Received: 08/03/12 08:15

Method: 1631E - Mercury, Low Leve	el (CVAFS)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.5	1.0	0.24 ng/L		08/07/12 09:30	08/09/12 11:11	2

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Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Client Sample ID: BW-15 FB Lab Sample ID: 240-13800-2

Date Collected: 07/31/12 13:25 Matrix: Water

Date Received: 08/03/12 08:15

Method: 1631E - Mercury, Low Lev	vel (CVAFS)						
Analyte	Result	Qualifier	RL	Unit	Prepared	Analyzed	Dil Fac
Mercury	ND		0.50	0.12 ng/L	 08/07/12 09:30	08/09/12 11:29	1

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Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Client Sample ID: BW-15 Lab Sample ID: 240-13800-3

Date Collected: 07/31/12 13:30 Matrix: Water

Date Received: 08/03/12 08:15

Method: 1631E - Mercury, Low Lev	rel (CVAFS)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.7		0.50	0.12 ng/L		08/07/12 09:30	08/09/12 11:55	1

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Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Client Sample ID: BW-15 DUP

Lab Sample ID: 240-13800-4

Date Collected: 07/31/12 13:35

Matrix: Water

Date Received: 08/03/12 08:15

Method: 1631E - Mercury, Low Lev	vel (CVAFS)							
Analyte	Result	Qualifier	RL	Uni	כ	Prepared	Analyzed	Dil Fac
Mercury	1.8		0.50	0.12 ng/	 	08/07/12 09:30	08/09/12 11:59	1

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Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Client Sample ID: IDI-4 Lab Sample ID: 240-13800-5 Date Collected: 07/31/12 13:45

Matrix: Water

Date Received: 08/03/12 08:15

Method: 1631E - Mercury, Low Lev	vel (CVAFS)						
Analyte	Result Qual	lifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	89	5.0	1.2 ng/L		08/07/12 09:30	08/09/12 12:02	10

Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-13800-6

Date Collected: 07/31/12 00:00 Matrix: Water

Date Received: 08/03/12 08:15

Method: 1631E - Mercury, Low Lev	el (CVAFS)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.50	0.12 ng/L		08/07/12 09:30	08/09/12 11:33	1

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Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Client Sample ID: UNIT 8 BAS Lab Sample ID: 240-13800-7

Date Collected: 08/01/12 08:35 Matrix: Water

Date Received: 08/03/12 08:15

Method: 1631E - Mercury, Low Level (CVAFS)										
	Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
	Mercury	3.1		0.50	0.12	ng/L		08/07/12 09:30	08/09/12 12:06	1

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Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Client Sample ID: CCW Lab Sample ID: 240-13800-8

Date Collected: 08/01/12 09:00 Matrix: Water

Date Received: 08/03/12 08:15

Method: 1631E - Mercury, Low Lev	el (CVAFS)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.5		0.50	0.12 ng/L		08/07/12 09:30	08/09/12 11:36	1

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Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Client Sample ID: IDI-4 Lab Sample ID: 240-13800-9

Date Collected: 08/01/12 13:25 Matrix: Water

Date Received: 08/03/12 08:15

Method: 1631E - Mercury, Low Lev	vel (CVAFS)						
Analyte	Result Qualifier	RL	Un	nit D	Prepared	Analyzed	Dil Fac
Mercury	97	5.0	1.2 ng	/L	08/07/12 09:30	08/09/12 12:10	10

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TestAmerica Job ID: 240-13800-1

Client: Duke Energy Corporation

Lab Sample ID: MB 240-53553/2-A

Matrix: Water

Analysis Batch: 53963

Project/Site: Miami Fort CERT - J12080123

Method: 1631E - Mercury, Low Level (CVAFS)

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 53553

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Result Qualifier RL Unit Dil Fac Analyte D Prepared Analyzed 0.50 0.12 ng/L 08/07/12 09:30 08/08/12 14:32 Mercury ND

Lab Sample ID: LCS 240-53553/3-A Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA

Prep Batch: 53553 **Analysis Batch: 53963**

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Mercury 5.00 4.15 ng/L 83 77 - 123

Lab Sample ID: 240-13800-1 MS **Client Sample ID: CCW Matrix: Water** Prep Type: Total/NA

Analysis Batch: 53964 Prep Batch: 53553 Spike MS MS %Rec. Sample Sample

Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits 2.5 5.00 9.04 132 Mercury ng/L 71 - 125

Lab Sample ID: 240-13800-1 MSD **Client Sample ID: CCW Matrix: Water** Prep Type: Total/NA

Analysis Batch: 53964 Prep Batch: 53553 Sample Sample Spike MSD MSD %Rec. RPD

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 2.5 5.00 8.95 130 Mercury ng/L 71 _ 125

Lab Sample ID: 240-13800-8 MS **Client Sample ID: CCW Matrix: Water** Prep Type: Total/NA Analysis Batch: 53964 Prep Batch: 53553

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Unit D Analyte %Rec Limits 5.00 Mercury 71 - 125 4.5 9.10 ng/L 91

Lab Sample ID: 240-13800-8 MSD **Client Sample ID: CCW Matrix: Water**

Prep Type: Total/NA Analysis Batch: 53964 Prep Batch: 53553 Sample Sample Spike MSD MSD RPD

Result Qualifier Added Analyte Result Qualifier Unit Limits Limit %Rec RPD 71 - 125 5.00 78 Mercury 4.5 8.45 ng/L 24

QC Association Summary

Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Metals

Prep Batch: 53553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13800-1	CCW	Total/NA	Water	1631E	
240-13800-1 MS	CCW	Total/NA	Water	1631E	
240-13800-1 MSD	CCW	Total/NA	Water	1631E	
240-13800-2	BW-15 FB	Total/NA	Water	1631E	
240-13800-3	BW-15	Total/NA	Water	1631E	
240-13800-4	BW-15 DUP	Total/NA	Water	1631E	
240-13800-5	IDI-4	Total/NA	Water	1631E	
240-13800-6	TRIP BLANK	Total/NA	Water	1631E	
240-13800-7	UNIT 8 BAS	Total/NA	Water	1631E	
240-13800-8	CCW	Total/NA	Water	1631E	
240-13800-8 MS	CCW	Total/NA	Water	1631E	
240-13800-8 MSD	CCW	Total/NA	Water	1631E	
240-13800-9	IDI-4	Total/NA	Water	1631E	
LCS 240-53553/3-A	Lab Control Sample	Total/NA	Water	1631E	
MB 240-53553/2-A	Method Blank	Total/NA	Water	1631E	

Analysis Batch: 53963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-53553/3-A	Lab Control Sample	Total/NA	Water	1631E	53553
MB 240-53553/2-A	Method Blank	Total/NA	Water	1631E	53553

Analysis Batch: 53964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13800-1	CCW	Total/NA	Water	1631E	53553
240-13800-1 MS	CCW	Total/NA	Water	1631E	53553
240-13800-1 MSD	CCW	Total/NA	Water	1631E	53553
240-13800-2	BW-15 FB	Total/NA	Water	1631E	53553
240-13800-3	BW-15	Total/NA	Water	1631E	53553
240-13800-4	BW-15 DUP	Total/NA	Water	1631E	53553
240-13800-5	IDI-4	Total/NA	Water	1631E	53553
240-13800-6	TRIP BLANK	Total/NA	Water	1631E	53553
240-13800-7	UNIT 8 BAS	Total/NA	Water	1631E	53553
240-13800-8	CCW	Total/NA	Water	1631E	53553
240-13800-8 MS	CCW	Total/NA	Water	1631E	53553
240-13800-8 MSD	CCW	Total/NA	Water	1631E	53553
240-13800-9	IDI-4	Total/NA	Water	1631E	53553

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Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

Client Sample ID: CCW

Lab Sample ID: 240-13800-1

Matrix: Water

Date Collected: 07/31/12 13:00 Date Received: 08/03/12 08:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			53553	08/07/12 09:30	RT	TAL NC
Total/NA	Analysis	1631E		2	53964	08/09/12 11:11	RT	TAL NC

Client Sample ID: BW-15 FB Lab Sample ID: 240-13800-2

Date Collected: 07/31/12 13:25

Matrix: Water

Date Collected: 07/31/12 13:25 Matrix: Water Date Received: 08/03/12 08:15

Batch Batch Dilution Batch Prepared or Analyzed **Prep Type** Туре Method Run Factor Number Analyst Lab Total/NA 1631E 53553 08/07/12 09:30 RT TAL NC Prep 53964 08/09/12 11:29 RT Total/NA Analysis 1631E 1 TAL NC

Client Sample ID: BW-15 Lab Sample ID: 240-13800-3

Date Collected: 07/31/12 13:30 Matrix: Water

Date Received: 08/03/12 08:15

Dilution Batch Batch Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 1631E 53553 08/07/12 09:30 RT TAL NC 53964 08/09/12 11:55 RT TAL NC Total/NA Analysis 1631E 1

Client Sample ID: BW-15 DUP Lab Sample ID: 240-13800-4

Date Collected: 07/31/12 13:35 Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA 1631E 53553 RT Prep 08/07/12 09:30 TAL NC Total/NA Analysis 1631E 1 53964 08/09/12 11:59 RT TAL NC

Client Sample ID: IDI-4 Lab Sample ID: 240-13800-5

Date Collected: 07/31/12 13:45 Matrix: Water

Date Received: 08/03/12 08:15

Date Received: 08/03/12 08:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			53553	08/07/12 09:30	RT	TAL NC
Total/NA	Analysis	1631E		10	53964	08/09/12 12:02	RT	TAL NC

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-13800-6

Date Collected: 07/31/12 00:00 Matrix: Water

Date Received: 08/03/12 08:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			53553	08/07/12 09:30	RT	TAL NC
Total/NA	Analysis	1631E		1	53964	08/09/12 11:33	RT	TAL NC

TestAmerica Job ID: 240-13800-1

Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

Client Sample ID: UNIT 8 BAS Lab Sample ID: 240-13800-7

Date Collected: 08/01/12 08:35 Matrix: Water

Date Received: 08/03/12 08:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			53553	08/07/12 09:30	RT	TAL NC
Total/NA	Analysis	1631E		1	53964	08/09/12 12:06	RT	TAL NC

Client Sample ID: CCW Lab Sample ID: 240-13800-8

Date Collected: 08/01/12 09:00 **Matrix: Water**

Date Received: 08/03/12 08:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			53553	08/07/12 09:30	RT	TAL NC
Total/NA	Analysis	1631E		1	53964	08/09/12 11:36	RT	TAL NC

Client Sample ID: IDI-4 Lab Sample ID: 240-13800-9

Date Collected: 08/01/12 13:25 Matrix: Water

Date Received: 08/03/12 08:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			53553	08/07/12 09:30	RT	TAL NC
Total/NA	Analysis	1631E		10	53964	08/09/12 12:10	RT	TAL NC

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Duke Energy Corporation

Project/Site: Miami Fort CERT - J12080123

TestAmerica Job ID: 240-13800-1

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-12
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAC	3	68-00340	08-31-12
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-12
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12
Wisconsin	State Program	5	999518190	08-31-12

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TestAmerica North Canton Sample Receipt Form/Narrative	Login # :(3800
No. of the second secon	1
Client DUCENUIGLY Site Name	By Sprewortersh
Cooler Received on \$ -3-12 Opened on \$ -3-12	(Signature)
FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier	Other
Packing material used: Rubble Wrap Foam Plastic Bag None Other	
COOLANT: Wet Ice Blue Ice Dry Ice Water None	
1. Cooler temperature upon receipt	
IR GUN# 1 (CF 0°C) Observed Sample Temp°C Corrected Sample T	emp°C
IR GUN# 4G (CF-1°C) Observed Sample Temp. 212°C Corrected Sample T	
IR GUN# 5G (CF-1°C) Observed Sample Temp. °C Corrected Sample T	
IR GUN# 8 (CF 0°C) Observed Sample Temp°C Corrected Sample T	
	No No
	No NA
	No
4. Did custody papers accompany the sample(s)?	No
5. Were the custody papers relinquished & signed in the appropriate place?	No
pupoto roiniquisitos se signos in tito appropriato piaco.	110
6. Did all bottles arrive in good condition (Unbroken)?) No
7. Could all bottle labels be reconciled with the COC?	No
8. Were correct bottle(s) used for the test(s) indicated?) No
9. Sufficient quantity received to perform indicated analyses?	No
10. Were sample(s) at the correct pH upon receipt?	No WAD
11. Were VOAs on the COC?	
12. Were air bubbles >6 mm in any VOA vials? 13. Was a trip blank present in the cooler(s)? Yes	
13. Was a trip blank present in the cooler(s)?	
Contacted PM Date by via Verbal V	
Contacted PM Date by via Verbal V	
Concerning	
14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES	
14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES 15. SAMPLE CONDITION	Voice Mail Other
14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES 15. SAMPLE CONDITION Sample(s) were received after the recommended hold	Voice Mail Other

•	16. SAMPLE PRESERVATION		
Sample(s)	were further preserved	in Sample Recei	ving to meet
recommended pH level(s). Nitric Acid Lot# 110410-HNO3; Sulfuric Acid Lot# 041911-H2SO4; S	Sodium Hydroxid	le Lot# 121809 -
NaOH; Hydrochloric Ac). Nitric Acid Lot# 110410-HNO3; Sulfuric Acid Lot# 041911-H2SO4; Sid Lot# 041911-H2SO4; Sid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/I	NaOH. What
time was preservative ad	ded to sample(s)?		
<u>Client ID</u>	<u>H</u> g	Date	Initials
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Cooler #		ID #	0 1
Cooler #	Observed Sample Temp. °C Corrected Sample Temp. °C	IR#	Coolant
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Analytical Laboratory Request Form (ARF)

(1) Complete all yellow sections (2) Save the file & e-mail to:	of this	form. Move through by strik Questions / Problems Call		B" key. abcustomer@duke≠e 704-875-524	
and the second s	manton taitiini	Customer Inform			
Name		Office Phone	ation	Cell Phone	
Mike Wagner <u>F</u> ax		513 651 3440		NA Address	
519 651 9452		4 4 5	mike wagne	n@urs.com	
** Only complete if specific charging to capital or other special projects is need include field type and specific field entry	ed.	Accounting Fie	las	Specific Fiek	
	Smoken agent and and	Sampling Inform	ation		
Sampling Personnel / Contractor URS Field Staff Geologist / URS		Scheduled Sampling Date 7/31 - 8/1 and 8/8 - 8/9 / 2012		Date Sample Kit N 7/27/2012	leeded
	Na)	Shipping Address to me	r Kii	Phone Phone	Mail Code
		address and lown reeded		513 651 3440 State Ohio	NA Zip Code 45202
	t suite 23	00, Cincinnati, Ohio 45292 Reporting		MANAGEMENT OF THE PROPERTY OF	3/204
Site Location or Static Miami Fort Station, Hamilto Notes, Special Requests, Required Con TestAmerica - North Centon, Ohio COOLEGE S - SOLL SOM Bottles I Bottles I Separate Gooler(s) for S - four vial package) 1 field blank Trip Blank Separate Gooler(e) for 6 (four pial package)	Project mi Fort S on on Go, ntract Lat water LL	Report To (e-Mail Address 2) ara, Thomas@duke-energy.cor Project Specif Name tation CERT State Ohto	Approx (LIMS.) Variables halysis by Methalysis by Methaly	Waste Water Pr Imate Number of Days Sa 4 ob Number Duke Lab P Methods Methods Mod 1631E) Mod 1631E) Mod 1631E) Mod 1631E)	idress 3) griergy:com im Type rocess Monitoring ampling is Scheduled
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